



District Report Card: 2017


State: Assam	District: Nalbari
Class: 8	Subject: Mathematics
Schools: 51	Students: 1186


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys			Girls		
	Number		%	Number		%
	565		47.64	621		52.36

<div>AREA</div> <div></div>	Rural			Urban		
	Number		%	Number		%
	1126		94.94	60		5.06

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	130	10.96	32	2.70	155	13.07	869	73.27

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	2	2	1	2	0	1

<div>Management</div> <div></div>	Government			Government-aided		
	Number		%	Number		%
	590		49.75	596		50.25

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
51.69	52.44	51.01	51.42	56.89	49.88	53.49	50.92	38.96	44.73	53.52

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	51.71
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	44.70
M620	Finds out the perimeter and area of rectangular objects in the surroundings like floor of the class room, surfaces of a chalk box etc.	55.31
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	46.32
M702	Interprets the division and multiplication of fractions	45.28
M705	Solves problems related to daily life situations involving rational numbers	45.53
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	42.61
M707	Adds/subtracts algebraic expressions	64.67
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	41.81
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	38.24
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	67.53
M721	Interprets data using bar graph	67.73
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	34.82
M802	Finds rational numbers between two given rational numbers	51.83
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	59.43
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	51.51
M808	Uses various algebraic identities in solving problems of daily life	64.23
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	44.87
M818	Finds surface area and volume of cuboidal and cylindrical object	29.41
M819	Draws and interprets bar charts and pie charts	56.91

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
262	22.09	339	28.58	326	27.49	259	21.84

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (29.41)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (34.82)
- 3 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (38.24)

- 4 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (41.81)
- 5 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (42.61)